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B. E. Ginther,
Chemist
Agriculture Experiment Station
Bozeman, Montana 59715

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COMMERCIAL FERTILIZER REPORT

Issued by
The Department of Agriculture, State of Montana, Helena, Montana
and
The Agricultural Experiment Station, Montana State University, Bozeman, Montana

NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN Claimed	TOTAL NITROGEN Found	AVAILABLE PHOSPHORIC ACID (P_2O_5) Claimed	AVAILABLE PHOSPHORIC ACID (P_2O_5) Found	SOLUBLE POTASH (K_2O) Claimed	SOLUBLE POTASH (K_2O) Found
AGRO SUPPLY P.O. Box 20563 Billings, Montana 59102								
Agro 11-48-0	Glendive	1143	11	11.0	48	51.2		
BEKER INDUSTRIES Box 37 Conda, Idaho								
0-45-0	Moore	*2188			45	45.2		
0-45-0	Belgrade	*517			45	45.2		
0-45-0	Ryegate	*2199			45	45.2		
0-46-0	Great Falls	*3056			46	47.0		
CF INDUSTRIES, INC. 100 S. Wacker Drive Chicago, Illinois 60606								
CF Industries 0-0-60	Townsend	507					60	60.6
0-0-60	Worden	3071					60	61.4
0-0-60	Glendive	79					60	57.1
0-45-0	Worden	3074			45	46.0		
11-48-0	Glendive	77	11	11.1	48	54.9		
11-48-0	Glendive	80	11	11.1	48	49.0		
11-55-0	Glendive	78	11	11.9	55	54.4		
11-55-0	Lewistown	2195	11	11.3	55	54.9		
18-46-0	Lewistown	2192	18	17.8	46	46.2		
18-46-0	Glendive	76	18	17.8	46	46.1		
18-46-0	Townsend	504	18	18.7	46	46.0		
18-46-0	Belgrade	520	18	18.1	46	46.1		
21-0-0	Worden	3070	21	21.2				
34-0-0	Ronan	1124	34	34.1				

Deficient Beyond Tolerance - Underscored
Not Registered - *

NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN Claimed	TOTAL NITROGEN Found	AVAILABLE PHOSPHORIC ACID (P_2O_5) Claimed	AVAILABLE PHOSPHORIC ACID (P_2O_5) Found	SOLUBLE POTASH (K_2O) Claimed	SOLUBLE POTASH (K_2O) Found
CF INDUSTRIES (continued)								
34-0-0	Belgrade	519	34	34.4				
34-0-0	Glendive	81	34	34.8				
34-0-0	Lewistown	2194	34	34.2				
CARGILL, INC. 1345 Cargill Building Minneapolis, Minnesota 55402								
Cargill 34-0-0	Fort Benton	1026	34	34.1				
CHEVRON CHEMICAL COMPANY 940 Hensley Street Richmond, California 94804								
Ortho 0-45-0	Dillon	3004			45	45.1		
5-10-10	Bozeman	2078	5	5.8	10	10.9	10	10.9
8-12-4	Bozeman	2077	8	8.2	12	11.6	4	4.1
Unipek 27-12-0	Dillon	1222	27	27.1	12	12.5		
27-12-0	Sherdian	3006	27	27.8	12	12.3		
27-12-0	Hamilton	1031	27	27.2	12	12.3		
27-12-0	Dillon	3055	27	27.0	12	12.5		
Ortho 34-0-0	Sherdian	3003	34	35.2				
34-0-0	Worden	3072	34	34.1				
34-0-0	Dillon	1223	34	34.3				
34-0-0	Dillon	3005	34	34.2				
COMINCO AMERICAN INC. West 818 Riverside Avenue Spokane, Washington 99201								
Elephant 0-0-60	Ryegate	2198					60	61.2
0-0-60	Lewistown	2164					60	61.4
0-0-60	Glendive	1140					60	60.6
0-0-60	Great Falls	2109					60	56.8
0-0-60	Miles City	2728					60	61.6
0-0-60	Bridger	2024					60	62.4
0-0-60	Hardin	2019					60	62.0
11-55-0	Belgrade	1077	11	11.3	55	55.0		
11-55-0	Belgrade	1078	11	11.2	55	55.2		
11-55-0	Belgrade	1079	11	11.3	55	55.2		
11-55-0	Denton	1022	11	11.1	55	55.0		

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NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN		AVAILABLE PHOSPHORIC ACID (P_2O_5)		SOLUBLE POTASH (K_2O)	
			Claimed	Found	Claimed	Found	Claimed	Found
COMINCO AMERICAN INC. (continued)								
11-55-0	Hamilton	1170	11	11.3	55	56.1		
11-55-0	Lewistown	2191	11	11.2	55	55.1		
11-55-0	Madoc	26	11	11.0	55	54.4		
11-55-0	Macoc	29	11	11.0	55	55.1		
11-55-0	Belgrade	509	11	11.2	55	55.0		
11-55-0	Belgrade	513	11	11.1	55	55.1		
11-55-0	Great Falls	2111	11	11.3	55	55.1		
11-55-0	Sidney	68	11	11.3	55	55.7		
11-55-0	Glendive	75	11	11.3	55	55.3		
11-55-0	Denton	2180	11	11.3	55	55.0		
11-55-0	Billings	2748	11	11.3	55	55.4		
11-55-0	Lewistown	2729	11	11.0	55	55.1		
11-55-0	Ronan	1196	11	11.0	55	55.2		
11-55-0	Circle	21	11	11.3	55	55.5		
11-55-0	Kalispell	1189	11	11.4	55	55.1		
11-55-0	Carter	1027	11	11.0	55	55.7		
11-55-0	Glasgow	1151	11	11.3	55	55.4		
11-55-0	Glendive	1142	11	11.2	55	55.4		
11-55-0	Fairfield	1102	11	11.3	55	55.0		
11-55-0	Ronan	1121	11	11.5	55	55.2		
11-55-0	Fort Benton	2031	11	11.0	55	55.0		
11-55-0	Richey	2725	11	11.2	55	55.3		
11-55-0	Hamilton	2653	11	11.4	55	55.3		
11-55-0	Stanford	2183	11	11.2	55	55.2		
11-55-0	Lewistown	2163	11	11.6	55	55.5		
16-20-0	Belgrade	1076	16	16.5	20	20.1		
16-20-0	Ronan	1123	16	16.2	20	21.4		
16-20-0	Penroy	1101	16	16.9	20	20.4		
16-20-0	Kalispell	1188	16	16.1	20	20.0		
16-20-0	Ronan	1211	16	16.4	20	19.9		
16-20-0	Lewistown	2193	16	16.0	20	20.6		
16-20-0	Townsend	505	16	16.8	20	20.4		
18-46-0	Lewistown	2190	18	17.8	46	46.8		
18-46-0	Stanford	2185	18	18.0	46	46.6		
18-46-0	Glendive	73	18	18.1	46	46.9		
18-46-0	Denton	2158	18	18.3	46	47.0		
18-46-0	Denton	1264	18	18.0	46	47.2		
18-46-0	Lewistown	2170	18	18.0	46	46.2		
18-46-0	Stanford	2181	18	18.0	46	46.3		
18-46-0	Miles City	2731	18	18.9	46	44.2		
21-0-0	Belgrade	1074	21	21.0				
21-0-0	Belgrade	1075	21	21.1				
21-0-0	Denton	1023	21	21.1				
21-0-0	Belgrade	516	21	21.1				
21-0-0	Ronan	1122	21	21.1				
21-0-0	Denton	2160	21	21.1				

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COMINCO AMERICAN INC. (continued)								
21-0-0	Belgrade	508	21	21.3				
34-0-0	Sidney	69	34	34.4				
34-0-0	Glendive	72	34	34.2				
34-0-0	Belgrade	510	34	34.0				
34-0-0	Lewistown	2730	34	34.1				
34-0-0	Glasgow	1152	34	34.2				
34-0-0	Glendive	1141	34	34.0				
46-0-0	Stanford	2182	46	46.3				
46-0-0	Denton	2001	46	46.2				
46-0-0	Denton	2161	46	46.6				
G. D. EASTLICK Billings, Montana 59103								
18-46-0	Glendive	*1144	18	18.2	46	46.6		
EXXON CHEMICAL COMPANY P.O. Box 2041 Billings, Montana 59103								
Engro								
11-48-0	Belgrade	1242	11	11.3	48	48.0		
11-48-0	Great Falls	2017	11	11.0	48	48.4		
11-48-0	Great Falls	2113	11	11.1	48	47.4		
11-48-0	Madoc	22	11	11.1	48	48.1		
11-55-0	Great Falls	3063	11	11.3	55	55.7		
11-55-0	Moore	2189	11	11.3	55	55.7		
11-55-0	Belgrade	514	11	11.1	55	55.2		
16-20-0	Belgrade	1241	16	16.0	20	20.9		
16-20-0	Plains	2117	16	16.4	20	20.1		
16-20-0	Billings	11	16	16.6	20	20.3		
16-20-0	Stevensville	1212	16	16.7	20	20.8		
16-20-0	Grass Range	2165	16	16.8	20	20.5		
16-20-0	Stevensville	2656	16	16.5	20	20.1		
16-20-0	Great Falls	2110	16	16.1	20	20.6		
16-20-0	Billings	2746	16	16.4	20	20.6		
16-20-0	Laurel	62	16	16.4	20	20.3		
16-20-0	Great Falls	3061	16	16.2	20	20.8		
18-46-0	Moore	1262	18	18.0	46	46.5		
18-46-0	Great Falls	3060	18	17.9	46	47.1		
18-46-0	Billings	2747	18	18.9	46	47.2		
18-46-0	Ryegate	2196	18	18.2	46	46.3		
18-46-0	Belgrade	515	18	18.2	46	46.6		
18-46-0	Great Falls	2108	18	18.3	46	46.2		
18-46-0	Grass Range	2166	18	18.6	46	46.8		

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NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN Claimed	TOTAL NITROGEN Found	AVAILABLE PHOSPHORIC ACID (P_2O_5) Claimed	AVAILABLE PHOSPHORIC ACID (P_2O_5) Found	SOLUBLE POTASH (K_2O) Claimed	SOLUBLE POTASH (K_2O) Found
EXXON CHEMICAL COMPANY (continued)								
18-46-0	Hardin	2018	18	18.2	46	46.7		
18-46-0	Laurel	64	18	18.2	46	47.2		
18-46-0	Great Falls	3062	18	17.8	46	46.8		
21-0-0	Madoc	27	21	21.0				
27-14-0	Missoula	2115	27	27.0	14	14.5		
27-14-0	Billings	13	27	28.4	14	14.1		
27-14-0	Livingston	1209	27	27.9	14	14.4		
27-14-0	Miles City	2722	27	27.0	14	14.4		
27-14-0	Laurel	63	27	26.8	14	16.4		
34-0-0	Moore	1261	34	34.1				
34-0-0	Great Falls	3058	34	34.3				
34-0-0	Great Falls	3059	34	34.3				
34-0-0	Belgrade	518	34	34.3				
34-0-0	Ryegate	2197	34	34.1				
34-0-0	Great Falls	2112	34	34.1				
34-0-0	Laurel	61	34	34.2				
34-0-0	Kalispell	1125	34	34.2				
34-0-0	Belgrade	1080	34	34.1				
34-0-0	Belgrade	1081	34	34.2				
34-0-0	Belgrade	1082	34	34.5				
34-0-0	Kalispell	1191	34	34.1				
34-0-0	Charlo	1210	34	34.4				
34-0-0	Great Falls	2015	34	34.7				
34-0-0	Billings	12	34	35.2				
34-0-0	Missoula	2114	34	34.5				
34-0-0	Hardin	2020	34	34.4				
FARMERS UNION CENTRAL EXCHANGE Box G St. Paul, Minnesota 55165								
Cenex								
0-0-50	Kalispell	1356					50	52.6
0-0-60	Edgar	60					60	60.0
0-0-60	Froid	15					60	60.3
0-0-60	Froid	1146					60	60.6
0-0-60	Circle	1137					60	60.4
0-0-60	Denton	1025					60	62.2
0-0-60	Laurel	2742					60	60.6
0-0-60	Lewistown	2717					60	61.2
0-0-60	Fort Benton	2030					60	62.0
0-0-60	Circle	19					60	60.4
0-44-0	Circle	1136			44	44.3		
0-45-0	Edgar	57			45	43.8		
0-45-0	Froid	33			45	45.2		
0-45-0	Froid	1150			45	45.5		
0-45-0	Lewistown	2716			45	46.4		

Deficient Beyond Tolerance - Underscored
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NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN		AVAILABLE PHOSPHORIC ACID (P_2O_5)		SOLUBLE POTASH (K_2O)	
			Claimed	Found	Claimed	Found	Claimed	Found
FARMERS UNION CENTRAL EXCHANGE (continued)								
0-45-0	Circle	16			45	45.1		
11-48-0	Conrad	1100	11	11.0	48	48.2		
11-48-0	Cutbank	1097	11	11.1	48	48.2		
11-48-0	Fort Benton	2027	11	11.0	48	48.1		
11-55-0	Froid	34	11	11.4	55	55.2		
11-55-0	Denton	1255	11	11.4	55	56.0		
11-55-0	Power	1091	11	11.0	55	55.2		
11-55-0	Froid	1149	11	11.3	55	55.4		
11-55-0	Circle	1138	11	11.3	55	55.1		
11-55-0	Fort Benton	3020	11	11.5	55	55.2		
11-55-0	Laurel	2740	11	11.1	55	55.4		
11-55-0	Stevensville	1172	11	11.0	55	55.2		
11-55-0	Fort Benton	2026	11	11.1	55	55.0		
11-55-0	Billings	2151	11	11.2	55	56.0		
16-20-0	Conrad	1098	16	16.7	20	20.2		
16-20-0	Kalispell	1128	16	16.2	20	19.9		
16-20-0	Townsend	1072	16	16.4	20	20.2		
16-20-0	Stevensville	1030	16	16.3	20	20.3		
16-20-0	Stevensville	1174	16	16.7	20	20.5		
16-20-0	Belgrade	1214	16	16.8	20	20.0		
16-20-0	Missoula	2124	16	16.8	20	20.1		
18-46-0	Arrowcreek	2176	18	18.3	46	46.2		
18-46-0	Lewistown	1258	18	17.8	46	46.7		
18-46-0	Lewistown	1259	18	17.1	46	45.8		
18-46-0	Froid	35	18	18.5	46	45.9		
18-46-0	Denton	1256	18	18.0	46	45.8		
18-46-0	Conrad	1245	18	18.4	46	47.6		
18-46-0	Kalispell	1357	18	17.8	46	46.3		
18-46-0	Power	1092	18	18.1	46	46.1		
18-46-0	Dutton	1095	18	18.0	46	46.0		
18-46-0	Dutton	1096	18	18.2	46	46.3		
18-46-0	Froid	1148	18	18.0	46	46.1		
18-46-0	Kalispell	1129	18	17.9	46	45.7		
18-46-0	Circle	1134	18	18.1	46	45.2		
18-46-0	Lewistown	1157	18	18.2	46	46.3		
18-46-0	Lewistown	1158	18	18.0	46	46.0		
18-46-0	Kalispell	1126	18	18.4	46	45.9		
18-46-0	Townsend	1072	18	17.9	46	45.7		
18-46-0	Stevensville	1029	18	18.0	46	46.2		
18-46-0	Denton	1024	18	18.4	46	46.5		
18-46-0	Laurel	2744	18	18.0	46	46.0		
18-46-0	Lewistown	2718	18	18.1	46	46.2		
18-46-0	Malta	2723	18	18.0	46	46.6		
18-46-0	Kalispell	1192	18	17.8	46	46.0		
18-46-0	Fort Benton	2029	18	18.1	46	45.3		
18-46-0	Billings	2154	18	18.1	46	46.3		
18-46-0	Circle	17	18	17.9	46	46.5		
18-46-0	Missoula	2125	18	18.4	46	45.9		

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			Claimed	Found	Claimed	Found	Claimed	Found
FARMERS UNION CENTRAL EXCHANGE (continued)								
21-0-0	Laurel	2743	21	21.0				
21-0-0	Stevensville	1175	21	21.1				
21-0-0	Billings	2153	21	21.2				
26-0-0	Fairfield	1103	26	26.4				
34-0-0	Edgar	58	34	31.5				
34-0-0	Edgar	59	34	34.5				
34-0-0	Harlem	3021	34	34.4				
34-0-0	Froid	14	34	34.4				
34-0-0	Denton	1257	34	34.3				
34-0-0	Conrad	1246	34	34.1				
34-0-0	Kalispell	1240	34	34.1				
34-0-0	Conrad	1099	34	34.6				
34-0-0	Froid	1147	34	34.1				
34-0-0	Kalispell	1127	34	34.1				
34-0-0	Circle	1135	34	34.4				
34-0-0	Circle	1139	34	34.2				
34-0-0	Lewistown	1159	34	34.0				
34-0-0	Townsend	1070	34	34.1				
34-0-0	Laurel	2741	34	34.1				
34-0-0	Kalispell	1358	34	34.1				
34-0-0	Stevensville	1173	34	34.5				
34-0-0	Belgrade	1213	34	34.4				
34-0-0	Lewistown	2719	34	34.2				
34-0-0	Malta	2724	34	34.0				
34-0-0	Kalispell	1193	34	34.3				
34-0-0	Billings	2155	34	34.1				
34-0-0	Circle	20	34	34.6				
45-0-0	Fort Benton	2028	45	46.1				
FARMLAND INDUSTRIES, INC. 3315 North Oak Trafficway Kansas City, Missouri 64116								
18-46-0	Worden	*3069	18	18.4	46	46.4		
HI-LINE FERTILIZERS INC. Box 226 Hingham, Montana 59528								
10-33-0	Hingham	3008	10	10.4	33	33.0		
IMPERIAL OIL LTD. Redwater, Alberta, Canada								
27-14-0	Kalispell	*1239	27	27.7	14	14.0		

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			Claimed	Found	Claimed	Found	Claimed	Found
KALCIUM CHEMICAL CO. Saskatchewan, Canada								
0-0-60	Billings	*2745					60	62.0
0-0-60	Sidney	*71					60	61.6
0-0-62	Madoc	*24					62	62.0
L P GAS COMPANY Stanford, Montana								
Blend	Stanford	2184	8.8	9.5	44.0	44.7	12	10.2
CHARLES H. LILLY CO. 109 S.E. Alder Portland, Oregon 97214								
Lilly's 5-10-10	Hamilton	2655	5	5.0	10	11.9	10	11.2
LOS ANGELES SEED CO., INC. 735 Merchant St. Los Angeles, California 90021								
Angel City								
5-10-10	Bozeman	2074	5	5.2	10	9.9	10	6.7
7-14-21	Bozeman	2073	7	10.0	14	15.6	21	23.4
MINNESOTA MINING & MANUFACTURING CO. 3M Center St. Paul, Minnesota								
9-12-6	Bozeman	2087	9	9.0	12.0	12.6	6.0	6.0
NUTRO GROW SERVICE Denton, Montana								
20-0-0	Denton	2168	20	21.1				
PEAVEY COMPANY Box 551 Sidney, Montana 59270								
27-14-0	Sidney	*2735	27	30.4	14	10.4		
PHILLIPS PETROLEUM COMPANY Bartlesville, Oklahoma 74004								
32-0-0	Denton	2167	32	32.0				

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			Claimed	Found	Claimed	Found	Claimed	Found
SELSTAD SOIL SERVICE Rt. 1 W, Box 43 Great Falls, Montana 59401								
SSS								
10-33-0	Denton	2169	10	9.1	33	33.0		
SHERRITT FERTILIZERS, INC. 103 Cascade Plaza 2828 S.W. Corbett Avenue Portland, Oregon 97201								
Sherritt								
11-48-0	Wolf Point	31	11	11.5	48	48.0		
11-48-0	Arrow Creek	2175	11	11.5	48	48.2		
11-48-0	Moore	1260	11	11.6	48	48.0		
11-48-0	Hardin	2022	11	11.0	48	48.2		
11-48-0	Winifred	1021	11	11.4	48	48.0		
16-20-0	Hardin	48	16	16.2	20	20.5		
16-20-0	Hardin	2023	16	16.5	20	20.3		
18-46-0	Stanford	2177	18	18.1	46	45.6		
21-0-0	Arrow Creek	2174	21	21.3				
21-0-0	Hardin	2021	21	21.1				
21-0-0	Stanford	2178	21	21.2				
27-27-0	Deer Lodge	2121	27	27.1	27	27.0		
46-0-0	Great Falls	2016	46	46.2				
J. R. SIMPLOT Minerals and Chemical Division P.O. Box 912 Pocatello, Idaho 83201								
0-0-60	Billings	2157					60	61.6
0-45-0	Belgrade	512			45	45.0		
0-45-0	Billings	2739			45	45.4		
0-45-0	Miles City	2726			45	45.4		
0-45-0	Billings	2156			45	45.5		
0-45-0	Hamilton	1169			45	45.4		
0-45-0	Deer Lodge	2123			45	45.2		
0-45-0	Glasgow	1153			45	45.3		
0-45-0	Hardin	88			45	45.4		
0-46-0	Sidney	67			46	46.0		
11-48-0	Winifred	2172	11	11.7	48	48.1		
11-54-0	Billings	2750	11	12.2	54	52.6		
16-20-0	Hamilton	2654	16	16.4	20	19.4		
16-20-0	Hamilton	1171	16	16.0	20	20.1		
16-20-0	Billings	2152	16	16.1	20	22.1		
16-20-0	Dillon	1227	16	16.0	20	20.0		

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NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN Claimed	TOTAL NITROGEN Found	AVAILABLE PHOSPHORIC ACID (P_2O_5) Claimed	AVAILABLE PHOSPHORIC ACID (P_2O_5) Found	SOLUBLE POTASH (K_2O) Claimed	SOLUBLE POTASH (K_2O) Found
J. R. SIMPLOT (continued)								
16-20-0	Ronan	1194	16	16.0	20	20.0		
16-20-0	Hysham	2721	16	16.2	20	19.7		
16-20-0	Billings	2736	16	16.0	20	19.8		
18-46-0	Winifred	2171	18	18.4	46	44.5		
18-46-0	Hardin	89	18	18.2	46	47.2		
18-46-0	Valier	3030	18	18.0	46	46.6		
18-46-0	Moccasin	2187	18	18.0	46	46.9		
18-46-0	Glasgow	1154	18	18.2	46	46.2		
18-46-0	Kalispell	1190	18	18.3	46	46.7		
18-46-0	Billings	2737	18	18.2	46	46.2		
18-46-0	Belgrade	511	18	18.2	46	46.0		
18-46-0	Wolf Point	30	18	18.0	46	46.3		
18-46-0	Mocassin	1263	18	18.2	46	46.8		
18-46-0	Sidney	70	18	18.5	46	46.7		
34-0-0	Sidney	2733	34	34.0				
34-0-0	Billings	2738	34	34.1				
34-0-0	Miles City	2727	34	33.8				
34-0-0	Hysham	2720	34	34.5				
34-0-0	Ronan	1195	34	34.2				
34-0-0	Dillon	1226	34	34.2				
34-0-0	Moccasin	2186	34	34.1				
34-0-0	Townsend	506	34	34.2				
34-0-0	Valier	3031	34	34.3				
34-0-0	Hardin	90	34	34.1				
34-0-0	Sidney	66	34	34.0				
ST. PAUL AMMONIA PRODUCTS INC. P.O. Box 418 So. St. Paul, Minnesota 55075								
34-0-0	Carter	1028	34	34.1				
STAUFFER CHEMICAL COMPANY 636 California Street San Francisco, California 94108								
Stauffer 16-20-0	Missoula	2116	16	16.2	20	19.4		
STERN'S NURSERIES, INC. 404 William Street Geneva, New York 14456								
Miracle-Gro 15-30-15	Bozeman	2076	15	14.2	30	34.0	15	16.5

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NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN		AVAILABLE PHOSPHORIC ACID (P_2O_5)		SOLUBLE POTASH (K_2O)	
			Claimed	Found	Claimed	Found	Claimed	Found
STERN'S NURSERIES, INC. (continued)								
Miracid 30-10-10	Bozeman	2075	30	28.7	10	10.5	10	14.1
U. S. PHOSPHORIC PRODUCTS Box 3269 Tampa, Florida								
0-45-0	Glasgow	*1155		45	45.1			
USS AGRI-CHEMICALS DIV. U.S. Steel Corp. 10 E. South Temple 1250 Salt Lake City, Utah 84133								
USS 18-46-0	Sidney	65	18	18.0	46	46.3		
WASATCH CHEMICAL DIVISION P.O. Box 6219 Salt Lake City, Utah 84106								
Morgro 6-10-4	Bozeman	2088	6.0	6.1	10.0	10.0	4.0	4.3
WESTERN CO-OPERATIVE FERTILIZER LTD. Calgary, Alberta, Canada								
34-0-0	Deer Lodge	*2122	34	34.5				
WILBUR-ELLIS CO. 1200 Westlake Avenue, Suite 1000 Seattle, Washington 98109								
33.5-0-0	Power	*1093	33.5	33.9				
WYCON CHEMICAL COMPANY P.O. Box 1287 Cheyenne, Wyoming 82001								
Wycon 34-0-0	Lewistown	2162	34	34.6				
34-0-0	Lewistown	1156	34	34.2				
34-0-0	Bridger	2025	34	34.3				
46-0-0	Denton	2000	46	46.3				

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NAME AND ADDRESS OF MANUFACTURER BRAND AND NAME OF PRODUCT	PLACE OF COLLECTION	SAMPLE NUMBER	TOTAL NITROGEN		AVAILABLE PHOSPHORIC ACID (P_2O_5)		SOLUBLE POTASH (K_2O)	
			Claimed	Found	Claimed	Found	Claimed	Found
YON DISTRICUTORS, INC. Box 1224 Dickinson, North Dakota 58601								
Big Yield Blend	Glendive	1145	16	17.0	32	32.1	8	6.8
			MICRONUTRIENT ANALYSES					
BAY ZINC CO., INC. Tacoma, Washington								
Zinc 18%	Worden	3073	Zinc			18		21.7
CHEVRON CHEMICAL COMPANY 940 Hensley Street Richmond, California 94804								
Ortho Rose Food Pellets 8-12-4	Bozeman	2077	Calcium			10		10.2
			Sulphur			6		8.1
			Boron			0.022		0.005
			Iron			0.135		0.577
			Manganese			0.056		0.899
			Molybdenum			0.001		0.0011
			Zinc			0.052		0.030
Vegetable Garden Food 5-10-10-4	Bozeman	2078	Calcium			4.5		10.2
			Sulphur			5.5		10.5
			Iron			0.2		0.51
			Magnesium			2.0		1.4
			Manganese			0.08		0.13
			Zinc			0.09		0.17
27-12-0	Hamilton	1031	Sulphur			4.1		4.11
COMINCO AMERICAN INC. West 818 Riverside Avenue Spokane, Washington 99201								
Elephant 21-0-0	Denton	2160	Sulphur			24		23.9

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			MICRONUTRIENT ANALYSES					
RELYEA PHOSPHATES P.O. Box 116 Garrison, Montana 59731								
Shitt-Rock	Garrison	*3007	Total P_2O_5		15		23.9	
			Calcium		15.5		25.0	
			Magnesium		0.5		0.23	
			Iron		0.50		1.1	
STERN'S NURSERIES, INC. 404 William Street Geneva, New York 14456								
Miracid 30-10-10	Bozeman	2075	Copper		0.05		0.06	
			Iron		0.325		0.388	
			Manganese		0.05		0.33	
			Zinc		0.05		0.11	
Miracle-Gro 15-30-15	Bozeman	2076	Copper		0.089		0.069	
			Iron		0.19		0.20	
			Manganese		0.18		0.21	
			Zinc		0.072		0.081	
			Boron		0.02		0.011	
			Molybdenum		0.00075		0.00067	
SHERRITT FERTILIZERS, INC. 103 Cascade Plaza 2828 S.W. Corbett Avenue Portland, Oregon 97201								
Sherritt 21-0-0	Stanford	2178	Sulphur		24		24.1	

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This Commercial Fertilizer Report is published annually by the Montana Department of Agriculture in order to supply information to all persons concerned. If you would like your name added to the mailing list please write:

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McCall Hall
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Bozeman, Montana 59715

MONTANA DEPARTMENT OF AGRICULTURE

Feed and Fertilizer Division

SUMMARY OF FERTILIZER AND FERTILIZER MATERIAL SOLD IN MONTANA

1975

	MATERIALS	Jan-June (tons)	July-Dec (tons)	Total (tons)
1.	Anhydrous Ammonia (82-0-0)	4,871	1,703	6,574
2.	Ammonium Nitrate	22,034	20,238	42,272
3.	Ammonium Sulfate (21-0-0)	2,761	1,450	4,211
4.	Urea	1,471	597	2,068
5.	Nitrogen Solutions (Aqua Ammonia, Urea Solutions and Urea, Ammonia Nitrate Solutions)	1,653	1,220	2,873
6.	0-45-0, 0-44-0	2,229	2,526	4,755
7.	Phosphoric Acid	386	1,207	1,593
8.	Gypsum, Lime and Sulphur	3,097	193	3,290
9.	Potash	1,907	2,761	4,668
10.	Micro Nutrient Materials	10	16	26
	AMMONIATED PHOSPHATES AND MIXTURES			
11.	18-46-0	12,121	28,599	40,720
12.	16-20-0	6,255	4,795	11,050
13.	11-48-0	6,100	11,320	17,420
14.	11-55-0	6,983	12,091	19,074
15.	27-14-0	660	226	886
16.	27-12-0, 29-14-0, 28-14-0	588	0	588
17.	1-1-0 ratios such as 23-23-0	0	0	0
18.	1-1-1 ratios such as 16-16-16	0	0	0
19.	Miscellaneous farm grades	209	210	419
20.	Miscellaneous specialty grades	1,062	336	1,398
21.	Liquid Mixtures	2,589	3,850	6,439
	TOTAL, All Fertilizers and Materials	76,986	93,338	170,324
	TOTAL NITROGEN	18,580	18,239	36,819
	TOTAL P_2O_5	15,875	29,413	45,288
	TOTAL K_2O	1,199	1,684	2,883

FERTILIZER BY GRADES USED IN PREPARING CUSTOMER FORMULA BLENDS

(Included in first page)

1975

	MATERIALS	Jan-June (tons)	July-Dec (tons)	Total (tons)
1.	Ammonium Sulfate (21-0-0)	1,388	638	2,026
2.	Ammonium Nitrate	16,716	7,688	24,4[illegible]
3.	Nitrogen Solutions	518	0	518
4.	Urea	219	473	692
5.	0-45-0, 0-46-0	1,069	1,449	2,518
6.	Potash	2,252	1,712	3,964
7.	Sulfur	5	44	49
8.	Micro Nutrient Materials	63	53	116
9.	Gypsum Urea	73	0	73
	AMMONIUM PHOSPHATES AND DRY MIXTURES			
10.	18-46-0	8,177	11,688	19,8[illegible]
11.	16-20-0	2,160	692	2,852
12.	11-48-0	1,026	1,666	2,692
13.	11-55-0	1,649	1,858	3,507
14.	27-14-0, 28-14-0 and 29-14-0	120	0	120
15.	Liquid Mixtures	132	0	132
16.	Miscellaneous or not reported as to grade	37	52	89
	TOTAL FERTILIZER MATERIALS USED IN BLENDING	35,604	28,013	63,617

Feed and Fertilizer Division
McCall Hall, M.S.U.
Bozeman, Montana 59715